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5-18760
OAK

PHOTOGRAPHIC INTERPRETATION REPORT



MISSION 1022-2
24-28 JULY 1965

PART II

AUGUST 1965
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OAK - PART II

MISSION 1022-2

PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 1022-2 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH), D FOR DESCENDING (NORTH-TO-SOUTH), OR M FOR A MIXED ASCENDING AND DESCENDING PASS. FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUDS), SC (SCATTERED CLOUDS), SD (SEMI DARKNESS), O (OBLIQUITY), AND S (SNOW).

THE QUALITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL), PT (PARTIAL) OR ID (IDENTIFICATION ONLY). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), MN (MONO), OR PST (PARTIAL STEREO).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

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Highlights

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HIGHLIGHTS1. DROVYANAYA ICBM COMPLEX

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A NEW POSSIBLE TYPE IIID LAUNCH SITE HAS BEEN IDENTIFIED APPROXIMATELY 8.3 NM SW OF THE COMPLEX SUPPORT FACILITY AT 51-25N 112-52E.

2. DOMBAROVSKIY ICBM COMPLEX

25X1

TWO PROBABLE AND 1 POSSIBLE TYPE IIIC LAUNCH AREAS IN EARLY STAGES OF CONSTRUCTION ARE NEWLY OBSERVED AT THIS COMPLEX.

3. IMENI GASTELLO ICBM COMPLEX

25X1

A NEWLY IDENTIFIED TYPE IIIC LAUNCH AREA, IN AN EARLY STAGE OF CONSTRUCTION, IS LOCATED APPROXIMATELY 20 NM SW OF THE COMPLEX SUPPORT FACILITY.

25X9

4. ZHURAVKA IRBM LAUNCH SITE

25X1

[REDACTED]

5. KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR

25X1

A NEW POSSIBLE LAUNCH AREA UNDER CONSTRUCTION HAS BEEN IDENTIFIED ON THE SAM FIRING LINE BETWEEN THE PROBABLE SAM LAUNCH AREA AND THE R&D LAUNCH AREA. THE FORMER UNIDENTIFIED CONSTRUCTION ACTIVITY APPROXIMATELY 0.5 NM NORTH OF THE FORMER ROCKET LAUNCH COMPLEX IS NOW IDENTIFIED AS A PLUS CONFIGURED INTERFEROMETER SITE UNDER CONSTRUCTION.

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6. MAKAT FIELD LAUNCH POINT (MRBM)

25X2

A PROBABLE MISSILE EXERCISE IS SEEN AT THE LAUNCH POINTS WITH 5 VEHICLES/PIECES OF EQUIPMENT AND A POSSIBLE ERECTOR IN PLACE.

25X1

[REDACTED]

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8. CHIH-CHIN-HSIA NUCLEAR ENERGY COMPLEX

THE ROOF OF THE REACTOR BUILDING AND 4 OF THE 6 COOLING TOWERS NOW APPEAR COMPLETE.

9. DZARDZHAN TALL KING FACILITY (ELECTRONIC BONUS)

THIS SINGLY SECURED FACILITY LOCATED 1 NM NORTH OF DZARDZHAN IS NEWLY IDENTIFIED.

STATUS OF COMOR TARGET READOUT

FIFTY COMOR TARGETS WERE OBSERVED DURING THE OAK REPORTING PERIOD AND ARE CONTAINED IN THIS OAK.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 3 -- SAM AND AMM/SAM DEPLOYMENT

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TABLE 5 -- AIRCRAFT ACTIVITY
TABLE 6 -- SUBMARINE ACTIVITY
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	120	11	16	11	160	627
Caucasus	3		2	3	6	29
Central Asia	2	3	1	3	9	33
Far Eastern	10	1		1	12	47
Totals	135	15	21	16	169	736

Totals do not include 82 fixed field-type sites with total of 306 launch positions and one launch facility at Sovetskaya Gavan.

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Table 3. SAM and AMM/SAM Deployment

		Country																
		USSR	Albania	Bulgaria	Czechoslovakia		Hungary	Poland	Romania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India	North Vietnam	Totals
SA-0	SAM sites	13																13
SA-1		56																56
SA-2		1013*	2	19	24	53	16	30	16	4	16	2	5	23	21**	10	7	1265
SA-3		112						1										113
SA-2 SAM Support Facilities		194	1	4	6	5	3	6	3	1		1	1	4	6	3		238
SA-3 SAM Assembly Facilities		11																11
AMM/SAM Complexes		7																7

*Does not include 4 alternate sites, USSR.

**Does not include 25 abandoned sites.

TOTALS AS OF MISSION (1022-2)

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Table 6. Submarine Activity.

Base	Previous Submarine Count										Observed this Mission (1022-2)									
	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)	SSN (R-class)
Balekava																				
Bukhta Konyushkova			17	17																
Dunay																				
Gorkiy																				
Guba Liza																				
Guba Olona																				
Guba Seyda																				
Guba Tra																				
Inkanga																				
Krasnomorsk																				
Krasnodar																				
Leningrad																				
Lipetsk																				
Magadan																				
Pechenga																				
Petrozavodsk																				
Petrozavsk																				
Polynnyy																				
Riga																				
Rostov																				
Sevastopol																				
Severodvinsk																				
Severomorsk																				
Sovetskaya Gavan																				
Tallinn																				
Vladimir																				
Vladivostok																				
Zaliv Kholmsk																				
TOTALS																				

1 POSSIBLE 1 PROBABLE

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MISSILES

PLESETSK ICBM COMPLEX

UR 6254N 04038E

PROBABLE LAUNCH AREAS G (SITE 9) AND H (SITE 10) REMAIN IN A MID-STAGE OF CONSTRUCTION. BACKFILLING OF DITCHES AT BOTH LAUNCH AREAS IS NEARLY FINISHED. LAUNCH AREA C (SITE 6) AND THE TWO AREAS OF UNIDENTIFIED ACTIVITY 20 NM AND 23 NM EAST OF THE COMPLEX SUPPORT FACILITY CAN BE IDENTIFIED ONLY. THE REMAINDER OF THE COMPLEX SHOWS NO SIGNIFICANT CHANGE.

25X1

YURYA ICBM COMPLEX

UR 5904N 04918E

VEHICULAR ACTIVITY AND A PROBABLE MISSILE TRAILER ARE APPARENT AT LAUNCH AREA I (SITE 11) AND A MISSILE READY BUILDING HAS BEEN CONSTRUCTED BEHIND THE RIGHT PAD. AT LAUNCH AREA E (SITE 5), A NEW LINEAR GROUND SCAR IS OBSERVED BEGINNING AT THE WEST END OF THE LOOP ROAD, EXTENDING TO THE NORTHWEST, AND TERMINATING JUST BEYOND THE SECURITY FENCE. LAUNCH AREA E IS NON-STEREO AND LAUNCH AREA K (SITE 10) IS CLOUD COVERED. NO OTHER SIGNIFICANT CHANGES OBSERVED.

25X1

VERKHNYAYA SALDA ICBM COMPLEX

UR 5802N 06024E

NO SIGNIFICANT CHANGE OBSERVED IN VISIBLE PORTIONS OF THE COMPLEX. SITE SUPPORT FACILITY IS THE ONLY PORTION VISIBLE AT LAUNCH AREA A (SITE 2). THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREA E (SITE 5) ARE CLOUD COVERED.

25X9

25X1

TYURATAM MISSILE TEST CENTER

UR 4538N 06317E

LAUNCH COMPLEX H (SITE 8) IS COVERED BY NON-STEREO PHOTOGRAPHY. LAUNCH COMPLEX D (SITES 4 & 9) AND AREAS EAST OF COMPLEX H ARE NOT COVERED. ALL ELEMENTS OF THE TEST CENTER WEST OF COMPLEX H ARE COVERED BY STEREO

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PHOTOGRAPHY. PHOTO QUALITY RANGES FROM FAIR TO POOR AND PRECLUDES INTERPRETATION OF DETAILS, PARTICULARLY IN THOSE AREAS UNDER CONSTRUCTION.

NO SIGNIFICANT CHANGE, UNUSUAL ACTIVITY, OR NEW CONSTRUCTION IS IDENTIFIED. THE MISSILE GANTRY AT LAUNCH AREA G5-G6 (SITE 12) IS POSITIONED ON PAD G6. ALL OTHER GANTRIES ARE SITUATED TO THE REAR OF THEIR RESPECTIVE PADS. THE MOUNDED EARTH LEVEL ACCESSES TO THE SILOS IN LAUNCH GROUP L (SITES 21-30) ARE NOT ALL PARALLEL AND ORIENTED N/S AS PREVIOUSLY REPORTED. LAUNCH SITE L2 (SITE 27) IS ORIENTED ON AN APPROXIMATE AZIMUTH OF 330 DEGREES, AND LAUNCH SITE L3 (SITE 22) IS ORIENTED ON AN APPROXIMATE AZIMUTH OF 280 DEGREES. THE OTHER 8 LAUNCH SITES OF LAUNCH GROUP L ARE PARALLEL AND ORIENTED ON AN APPROXIMATE AZIMUTH OF 0 DEGREES. AT THE MAIN SUPPORT BASE, A SMALL DAM OR BRIDGE IS BEING CONSTRUCTED ACROSS THE SYR-DARYA (RIVER) IN THE VICINITY OF THE WATER TREATMENT PLANT.

25X1

YOSHKAR-OLA ICBM COMPLEX

UR 5633N 04801E

NO SIGNIFICANT CHANGES IN AREAS OBSERVED. LAUNCH AREAS B (SITE 2) AND C (SITE 3) ARE CLOUD COVERED. LAUNCH AREAS D (SITE 4) AND F (SITE 6) ARE NON-STEREO. LAUNCH AREA A (SITE 1) IS ONLY PARTIALLY STEREO AND ACTIVITY IS APPARENT ON THE RIGHT PAD.

25X1

25X1

DROVYANAYA ICBM COMPLEX

UR 5131N 11300E

NO SIGNIFICANT CHANGE OBSERVED AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR THE UNIDENTIFIED AREA TO THE NORTH OF THE COMPLEX SUPPORT FACILITY. NO SIGNIFICANT CHANGE OBSERVED AT LAUNCH AREAS A (SITE 1), B (SITE 2), C (SITE 4), D (SITE 3), E (SITE 5), OR F (SITE 6). THE MOTTLED EFFECT ON THE ROADS AND PADS IS STILL APPARENT AT LAUNCH AREAS A, C, AND D. A MISSILE/TRANSPORTER IS POSITIONED NEXT TO THE EASTERN AND CENTER SILOS AT LAUNCH AREA B.

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CONSTRUCTION CONTINUES AT LAUNCH GROUP G (SITES 7-14,

14

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16, 18) AND ALL OF THE SITES EXCEPT G9 (SITE 16), G4 (SITE 10) AND G7 (SITE 13) ARE IN THE LATE STAGE OF CONSTRUCTION.

A NEW POSSIBLE LAUNCH SITE (H10) HAS BEEN IDENTIFIED APPROXIMATELY 8.3 NM SW OF THE COMPLEX SUPPORT FACILITY AT 51-25N 112-52E. THIS TYPE IIID SITE WAS FIRST OBSERVED ON MISSION [REDACTED] IT WAS NOT VISIBLE ON MISSION [REDACTED] PHOTOGRAPHIC QUALITY PRECLUDES DETERMINATION OF CONSTRUCTION STAGE. CONSTRUCTION CONTINUES AT LAUNCH GROUP H (SITES 15, 19-26) AND ALL THE SITES REMAIN IN A MID-STAGE OF CONSTRUCTION.

25X1

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PERM ICBM COMPLEX

UR 5742N 05619E

LAUNCH AREA E (SITE 5) CAN BE IDENTIFIED ONLY. REMAINDER OF COMPLEX IS CLOUD COVERED OR NOT COVERED.

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25X1

GLADKAYA ICBM COMPLEX

UR 5606N 09214E

LAUNCH AREAS A (SITE 3) AND D (SITE 5) CAN BE IDENTIFIED ONLY. REMAINDER OF COMPLEX IS CLOUD COVERED.

25X1

UZHUR ICBM COMPLEX

UR 5517N 08949E

TEN OF THE 16 LAUNCH AREAS ARE VISIBLE BUT LAUNCH AREA O CAN BE IDENTIFIED ONLY. A DOUBLE FENCE IS BEING CONSTRUCTED AROUND LAUNCH AREA F (SITE 6) AND ANOTHER IS COMPLETE AROUND A (SITE 1). LAUNCH AREA I (SITE 9) IS NOW IN A MID-STAGE OF CONSTRUCTION. LAUNCH AREA M (SITE 13) IS NOW CONFIRMED. LAUNCH AREAS B (SITE 2), C (SITE 3), D (SITE 4), J (SITE 10), L (SITE 12), AND N (SITE 14) ARE CLOUD COVERED. NO OTHER SIGNIFICANT CHANGES OBSERVED.

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DOMBAROVSKIY ICBM COMPLEX

UR 5100N 05954E

TWO PROBABLE AND 1 POSSIBLE TYPE IIIC LAUNCH AREAS (G, H, AND I) IN EARLY STAGES OF CONSTRUCTION ARE NEWLY OBSERVED ON THIS MISSION. THESE LAUNCH AREAS WERE NOT EVIDENT ON MISSION

PROBABLE LAUNCH AREA G IS LOCATED APPROXIMATELY 12.2 NM NORTH OF THE COMPLEX SUPPORT FACILITY AT 51-12N 059-50E. IT CONSISTS OF A SHALLOW SQUARE EXCAVATION AND 4 OR 5 BUILDINGS EAST OF THE EXCAVATION.

PROBABLE LAUNCH AREA H IS LOCATED 10.7 NM NW OF THE COMPLEX SUPPORT FACILITY AT 51-09N 059-44E. IT CONSISTS OF A SHALLOW SQUARE EXCAVATION AND SEVERAL SMALL BUILDINGS.

POSSIBLE LAUNCH AREA I IS LOCATED APPROXIMATELY 2.5 NM ENE OF THE COMPLEX SUPPORT FACILITY AT 51-00N 059-55E. IT CONSISTS OF A POSSIBLE EXCAVATION WITHIN A SECURITY FENCE, 2 OR 3 BUILDINGS, AND A LONG, LINEAR GROUND SCAR. LAUNCH AREA I IS COVERED IN NON-STEREO.

NO SIGNIFICANT CHANGES ARE EVIDENT AT THE COMPLEX SUPPORT FACILITY AND LAUNCH AREA E (SITE 6). A LINEAR OBJECT IS APPARENT ON THE RECTANGULAR MOUND AT LAUNCH AREAS A (SITE 4), B (SITE 3), AND C (SITE 2). THE SITES REMAIN IN A MID-STAGE OF CONSTRUCTION. LAUNCH AREA F (SITE 7) CAN BE IDENTIFIED ONLY AND LAUNCH AREA D (SITE 1) IS CLOUD COVERED.

AN AREA OF UNIDENTIFIED CONSTRUCTION ACTIVITY IS LOCATED APPROXIMATELY 3 NM NORTH OF THE COMPLEX SUPPORT FACILITY. IT CONSISTS OF 3 OR 4 LARGE BUILDINGS, SEVERAL SMALLER ONES, AND SOME GROUND SCARRING. IMPROVED ROADS ARE UNDER CONSTRUCTION THROUGHOUT THE COMPLEX.

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PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS

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PROBABLE LAUNCH AREA G --
PROBABLE LAUNCH AREA H --
POSSIBLE LAUNCH AREA I --

25X1

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KARTALY ICBM COMPLEX

UR 5302N 06035E

NO SIGNIFICANT CHANGES OBSERVED AT LAUNCH AREAS A (SITE 1), E (SITE 5) OR H (SITE 8) EXCEPT THAT LAUNCH AREA H APPEARS TO BE TRIPLE SECURED.

THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT AND LAUNCH AREAS B (SITE 2), C (SITE 3), D (SITE 4), F (SITE 6), G (SITE 7), I (SITE 10), POSSIBLE J, K (SITE 11) AND POSSIBLE L AND M ARE CLOUD COVERED.

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IMENI GASTELLO ICBM COMPLEX

UR 5107N 06618E

LAUNCH AREA K AT 50-52N 065-59E, A NEWLY IDENTIFIED TYPE IIIC LAUNCH AREA, IS IN AN EARLY STAGE OF CONSTRUCTION. IT IS LOCATED APPROXIMATELY 20 NM SW OF THE COMPLEX SUPPORT FACILITY AND CONSISTS OF AN EXCAVATION AND 2 ADJACENT SPOIL PILES. THE EXCAVATION AND SPOIL PILES ARE ENCLOSED BY A HEXAGONAL PROBABLE FENCE. AN AREA OF GROUND SCARRING AND 2 SMALL OBJECTS ARE LOCATED APPROXIMATELY 2,500 FT TO THE WEST, AND ARE CONNECTED TO THE LAUNCH AREA BY TRACK ACTIVITY. THE SITE WAS FIRST SEEN ON THIS MISSION AND WAS NOT VISIBLE ON MISSION

NO SIGNIFICANT CHANGES OBSERVED AT LAUNCH AREAS A (SITE 1), B (SITE 2), C (SITE 3), AND G (SITE 7). THE COMPLEX SUPPORT FACILITY AND LAUNCH AREAS D (SITE 4), E (SITE 5), F (SITE 6), H (SITE 8), I (SITE 9) AND J (SITE 10) ARE CLOUD COVERED.

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AKHTYRKA MRBM LAUNCH SITE 1

UR 5015N 03450E

A 25-NM SEARCH REVEALS NO HARDENED IRBM SITE SIMILAR TO AREA 4C AT KYMTC IN CLOUD-FREE AREAS. AREA APPROXIMATELY 85 PERCENT CLOUD COVERED.

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25X1

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25X9

ZHURAVKA IRBM LAUNCH SITE

25X1

UR 54325X97640E

25X1

NO NEW CONSTRUCTION OBSERVED SINCE MISSION [REDACTED]
 [REDACTED] ONE BUILDING AT THE [REDACTED]
 [REDACTED] APPEARS TO HAVE BEEN AT LEAST
 PARTIALLY REMOVED SINCE MISSION [REDACTED]

25X1

25X1

TRAKTOVYY IRBM LAUNCH SITE

UR 5325N 06223E

25X1

NO CHANGES IN FACILITIES OR DISMANTLING VISIBLE.

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR

UR 4835N 04545E

THE SAM LAUNCH AND SUPPORT FACILITIES, KY AIRFIELD, AND
 THE TEST AND SUPPORT COMPLEX ARE COVERED BY
 POOR-TO-FAIR QUALITY PHOTOGRAPHY.

25X1

A NEW POSSIBLE LAUNCH AREA UNDER CONSTRUCTION HAS BEEN
 IDENTIFIED ON THE SAM FIRING LINE BETWEEN THE PROBABLE
 SAM LAUNCH AREA AND THE R&D LAUNCH AREA. THIS NEW
 AREA, PREVIOUSLY CALLED AN UNIDENTIFIED SECURED AREA,
 HAS HAD AN APPROXIMATELY 100 PERCENT INCREASE IN AREA
 SINCE MISSION [REDACTED] THE AREA IS AT LEAST
 DOUBLY FENCED AND PRESENTLY CONSISTS OF CONSTRUCTION
 ACTIVITY AND SCARRING. NO FURTHER DETERMINATION CAN BE
 MADE ON THE FUNCTION OF THE PROBABLE SAM LAUNCH AREA.

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NO APPARENT CHANGE SINCE MISSION [REDACTED] OBSERVED IN THE
 REMAINDER OF THE SAM LAUNCH AND SUPPORT FACILITIES.

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AT LEAST 5 STRAIGHT-WING AIRCRAFT ARE PARKED AT KY
 AIRFIELD. NO APPARENT CHANGE SINCE MISSION [REDACTED] IS
 OBSERVED AT KY AIRFIELD, THE SAM BASE SUPPORT COMPLEX,
 AND THE ELECTRONIC SITE NORTH OF THE AIRFIELD.

THE FORMER UNIDENTIFIED CONSTRUCTION ACTIVITY
 APPROXIMATELY 0.5 NM NORTH OF THE FORMER ROCKET LAUNCH
 COMPLEX IS NOW IDENTIFIED AS A PLUS CONFIGURED
 INTERFEROMETER SITE UNDER CONSTRUCTION WITH COARSE AND
 FINE MEASURING ANTENNA POSITIONS ON BASE LEGS ORIENTED
 APPROXIMATELY N-S AND E-W. A CENTRALLY LOCATED CONTROL
 AREA IS CONNECTED BY PROBABLE CABLES/WAVE GUIDES TO THE
 ANTENNA POSITIONS. THIS INTERFEROMETER APPEARS

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IDENTICAL TO THE ONE AT THE TYURATAM MISSILE TEST CENTER BUT IS POSSIBLY MORE ADVANCED IN CONSTRUCTION.

(SEE ATTACHMENT)

25X1

SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

ALL FACILITIES ARE COVERED ON FAIR-TO-GOOD QUALITY PHOTOGRAPHY EXCEPT FOR INSTRUMENTATION SITES 6, 7, 8, AND 14, AND THE POSSIBLE FIELD LAUNCH POINT.

AT AMM/SAM LAUNCH AREA 1, THE DESIGNATION ASSIGNED THE MODIFIED TALLINN-TYPE LAUNCH AREA LOCATED 2.5 NM NORTH OF THE MAIN SUPPORT BASE AT 46-05-20N 073-27-00E. NO SIGNIFICANT CHANGE HAS TAKEN PLACE IN THE 4 DAY PERIOD SINCE MISSION [REDACTED]. A PROBABLE BACKNET RADAR IS ON EACH OF THE 3 POSITIONS IN THE ELECTRONIC SITE. THE AZIMUTH OF A PERPENDICULAR BISECTOR OF A LINE DRAWN BETWEEN THE CENTRAL GUIDANCE/CONTROL POSITIONS OF LAUNCH SITES A AND C IS [REDACTED] DEGREES

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PROBABLE LAUNCH AREA A, THE DESIGNATION ASSIGNED THE PROBABLE LAUNCH AREA UNDER CONSTRUCTION APPROXIMATELY 2.5 NM TO THE NW OF AMM/SAM LAUNCH AREA 1, IS SITUATED AT 46-06-40N 073-23-00E. ADDITIONAL SCRAPING AND GRADING HAS TAKEN PLACE SINCE MISSION [REDACTED] AT BOTH PROBABLE LAUNCH SITES. TWO PROBABLE BACKNETS AND 2 PROBABLE SIDENETS ARE POSITIONED IN THE ELECTRONIC SITE. THE AZIMUTH OF A PERPENDICULAR BISECTOR OF A LINE DRAWN BETWEEN THE CENTER OF THESE 2 PROBABLE LAUNCH SITES IS [REDACTED] DEGREES.

25X1

25X1

NO SIGNIFICANT CHANGE IS OBSERVED SINCE MISSION [REDACTED] IN AMM/SAM LAUNCH AREA 2, A DESIGNATION ASSIGNED THE MODIFIED TALLINN-TYPE LAUNCH AREA JUST SW OF LAUNCH COMPLEX A (SITE 2830) AND SITUATED AT 46-22-40N 072-52-00E. THE AZIMUTH OF A PERPENDICULAR BISECTOR OF A LINE DRAWN BETWEEN THE CENTRAL GUIDANCE/CONTROL POSITIONS OF THE 2 LAUNCH SITES IS [REDACTED]

25X1

TWO BACKNETS AND 2 SIDENETS ARE IDENTIFIED IN THE ELECTRONIC SITE AT PROBABLE LAUNCH AREA B, THE DESIGNATION ASSIGNED TO THE PROBABLE LAUNCH AREA UNDER

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CONSTRUCTION APPROXIMATELY 4,000 FT EAST OF THE MISSILE STORAGE AREA AT LAUNCH COMPLEX A AND SITUATED AT 46-25-50N 072-56-10E. THE AZIMUTH OF A PERPENDICULAR BISECTOR OF A LINE BETWEEN THE CENTER OF THE 2 PROBABLE LAUNCH SITES IS

25X1

25X1

AT LAUNCH COMPLEX A, NO SIGNIFICANT CHANGE IS OBSERVED SINCE MISSION [] AT LAUNCH SITES 1 THROUGH 6 OR ELECTRONIC SITES A, B, D, AND E. THE 50-FT DOME IS NO LONGER PRESENT IN THE AREA 800 FT NW OF THE CONTROL CENTER AT ELECTRONIC SITE C. THREE NEW VANS, POSSIBLY RADAR, ARE OBSERVED AT ELECTRONIC SITE F. THE AIRSTRIP AT LAUNCH COMPLEX A IS BEING EXTENDED AT THE SW END TO APPROXIMATELY 13,740 FT.

FACILITIES REMAIN UNCHANGED AT LAUNCH COMPLEX B (SITE 1B14) SINCE MISSION []

25X1

POOR IMAGE QUALITY, OBLIQUITY, AND NON-STEREO COVERAGE PRECLUDE A DETAILED INTERPRETATION OF THE CURRENT STATUS OF THE TRIAD AND THE DUAL HEN HOUSE-TYPE STRUCTURES AT SITE 13. FIVE SMALL AIRCRAFT-TYPE OBJECTS (4 POSSIBLY SWEEP-WING, 1 POSSIBLY STRAIGHT-WING) ARE PARKED NEAR THE SUPPORT AREA OF THE LONG DIRT STRIP. UNIDENTIFIED CONSTRUCTION ACTIVITY IS NOTED IN THE SE SECTOR OF THE NEW HOUSING AREA IN THE MAIN SUPPORT BASE. POOR IMAGE QUALITY PRECLUDES DETAILS ON THE 2 E-SHAPED BUILDINGS AT INSTRUMENTATION SITE 15 AND ON THE SINGLE E-SHAPED BUILDING AT THE UNIDENTIFIED FACILITY AT 47-12-40N 068-22-40E.

25X1

NO SIGNIFICANT CHANGES ARE OBSERVED SINCE MISSION [] AT THE HEN HOUSE ANTENNA, HEN ROOST ANTENNAS, PRIMARY AIRFIELD, NEW ROAD, NEW AIRSTRIP, SAM TRAINING SITE, AND INSTRUMENTATION SITES 1, 2, 3, 4, 5, 9, 10, 11, AND 12.

25X1

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS

[] ---

AMM/SAM LAUNCH AREA
AMM/SAM LAUNCH AREA
PROBABLE LAUNCH AREA
PROBABLE LAUNCH AREA
LAUNCH COMPLEX A --
LAUNCH COMPLEX B --
SITE 13 --
LONG DIRT

25X1

20

TOP SECRET

25X1

25X1

25X1

25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1

MAKAT FIELD LAUNCH POINT (MRBM)

UR 4758N 05342E

25X1

NO APPARENT CHANGE IN THE LAUNCH POINT, INSTRUMENTATION SITES, SUPPORT BASE, AND AIRFIELD SINCE MISSION [REDACTED] VEHICLES ARE DISCERNIBLE IN THE SUPPORT BASE AND NEARBY ELECTRONICS AREA. NO AIRCRAFT OBSERVED ON AIRFIELD.

ACTIVITY OBSERVED IN THE MISSILE CHECKOUT AREA CONSISTS OF A PROBABLE READY TENT AND AT LEAST 5 VEHICLES/PIECES OF EQUIPMENT. A PROBABLE MISSILE EXERCISE IS SEEN AT THE LAUNCH POINTS, WITH 5 VEHICLES/PIECES OF EQUIPMENT AND A POSSIBLE ERECTOR IN PLACE.

25X1

SHUANG-CHENG-TZU MISSILE TEST CENTER

CH 4107N 10020E

THE TEST CENTER, WITH THE EXCEPTION OF THE POSSIBLE SA-2 SAM SITE AND SHUANG-CHENG-TZU AIRFIELD, IS COVERED BY CLEAR, POOR-TO-FAIR QUALITY PHOTOGRAPHY.

FOUR SMALL STRUCTURES HAVE BEEN ADDED ADJACENT TO NEW DITCHES/TRENCHES EXTENDING FURTHER INTO THE HILLS FROM THE UNIDENTIFIED INSTALLATION WNW OF THE PROBABLE PROPELLANT HANDLING AND STORAGE AREA. NO APPARENT CHANGE SINCE MISSION [REDACTED] IN THE REMAINDER OF THE MISSILE TEST CENTER.

THE EASTERN 65 PERCENT OF THE 50-NM SEARCH AREA IS COVERED BY FAIR-TO-GOOD QUALITY PHOTOGRAPHY WITH LESS THAN 1 PERCENT CLOUD COVER. NO NEW SAM ACTIVITY OBSERVED.

25X1

SHUMYACHI SUSPECT MISSILE AREA

UR 5348N 03228E

AREA OF UNIDENTIFIED ACTIVITY IS CLOUD-COVERED. HEAVY CLOUDS COVER APPROXIMATELY 90 PERCENT OF 25-NM SEARCH

21

TOP SECRET

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

AREA. NO NEW MISSILE ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS.

25X1

BALABANOVO SUSPECT MISSILE ACTIVITY

UR 5511N 03640E

HEAVY CLOUDS AND HAZE COVER APPROXIMATELY 90 PERCENT OF THE 25-NM SEARCH AREA. CLOUD-FREE PORTIONS ARE POOR QUALITY. NO SSM ACTIVITY OBSERVED.

25X1

SEVERODVINSK NAVAL BASE AND SHIPYARD 402 UR 6434N 03949E

TWO NEW POSSIBLE PONTOON PIERS HAVE BEEN CONSTRUCTED AT THE WESTERN END OF THE BASIN AREA ON SOUTH SIDE OF ESTUARY. THE JETTY AT THE MOUTH OF NIKOLSKOYE ESTUARY APPEARS COMPLETED. THE DISTANCE ACROSS THE CHANNEL BETWEEN THE END OF THE JETTY AND THE TIP OF YAGRY ISLAND IS APPROXIMATELY 730 FT. NO DREDGING ACTIVITY OBSERVED. CONSTRUCTION ACTIVITY CONTINUES ON THE VERTICAL TANKS AT THE PROBABLE SUBMARINE SUPPORT FACILITY, YAGRY ISLAND. NO OTHER CHANGES IN FACILITIES SINCE MISSION

VESSLS IN MAIN LAUNCH BASIN IN FRONT OF THE LARGEST (OLD) CONSTRUCTION HALL -- 1 FLOATING DOCK OCCUPIED BY A PARTIALLY CANVAS- OR SHED-COVERED PROBABLE H-CLASS SSBN AND 1 UNIDENTIFIED VESSEL (LOA APPROXIMATELY 355 FT). BOTH OF THESE VESSELS ARE LOCATED ON THE UNFLOODED LAUNCHWAY AREA (THE SHALLOW BASIN) DIRECTLY IN FRONT OF THE CONSTRUCTION HALL DOORS. THE PROBABLE H-CLASS SSBN IN THE FLOATING DOCK APPEARS TO BE THE SAME SUBMARINE AS THE H-CLASS SSBN PREVIOUSLY OBSERVED IN A FLOATING DOCK BY THE NEW WET DOCK FACILITY UNDER CONSTRUCTION AT YAGRY ISLAND ON MISSION [REDACTED] IF SO, A PORTION OF THE AFTER SHEDS OR CANVAS COVERING HAS BEEN REMOVED SINCE MISSION [REDACTED] A POSSIBLE BARGE IS LOCATED DIRECTLY ALONGSIDE, AND AMIDSHIPS OF, THE UNIDENTIFIED 355-FT VESSEL. TWO POSSIBLE BARGES AND SEVERAL UNIDENTIFIED SMALL OBJECTS ARE FLOATING IN THE DEEP BASIN. ONE OVERHEAD POSSIBLE STEAM LINE AND 1 POSSIBLE OVERHEAD LINE CONNECT THE FLOATING DOCK AND 1 OF THE FLOATING BARGES -- THESE LINES SPAN A DISTANCE OF APPROXIMATELY 300 FT.

22

TOP SECRET

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1
25X1

25X1

25X1

25X1

VESSELS ALONGSIDE SOUTH (MAIN) QUAY -- 1 POSSIBLE E-CLASS SSGN IN BERTHING SPACE CLOSEST TO THE CAISSON OF THE MAIN LAUNCH BASIN. (THIS BERTHING SPACE WAS UNOCCUPIED ON MISSION [REDACTED]) TWO UNIDENTIFIED LARGE SS AND 1 POSSIBLE UNIDENTIFIED LARGE SS ARE IN THE SAME BERTHING SPACES PREVIOUSLY OCCUPIED BY 3 E-II-CLASS SSGN ON MISSION [REDACTED]. ONE UNIDENTIFIED SS (LOA APPROXIMATELY 355 FT) IS IN FLOATING DOCK AT RIGHT ANGLE TO QUAY. BERTHED OUTBOARD OF, AND PARALLEL TO, THE FLOATING DOCK ARE 1 POSSIBLE MEDIUM UNIDENTIFIED SS AND A SURFACE AUXILIARY. ONE POSSIBLE NOVEMBER-CLASS SSN AND 1 UNIDENTIFIED SS ARE NESTED ALONG SOUTH QUAY AT SPACE PREVIOUSLY OCCUPIED BY A NOVEMBER-CLASS SSN ON MISSION [REDACTED]. AN UNIDENTIFIED LARGE POSSIBLE SS IS BERTHED AT THE WESTERN END OF THE SOUTH QUAY. A BARGE OCCUPIED THIS SPACE ON MISSION [REDACTED]. A PROBABLE E-CLASS SSGN IS DEAD IN THE WATER IN THE MIDDLE OF THE ESTUARY.

25X1

25X1

VESSELS AT THE NEW (WESTERN) CONSTRUCTION HALL ON THE SOUTH SIDE OF THE ESTUARY -- THE 305-FT UNIDENTIFIED OBJECT SEEN ON THE CRADLE IN THE LAUNCHWAY ON MISSION [REDACTED] IS IN THE SAME POSITION. PLACED PARALLEL TO AND APPROXIMATELY 55 FT FROM THIS OBJECT IS AN IDENTICAL 305-FT OBJECT POSSIBLY POSITIONED OVER THE EDGE OF THE WATER IN THE LAUNCHING BASIN. BOTH OF THE 305-FT OBJECTS ARE PLACED DIRECTLY IN LINE AND ARE APPARENTLY CONNECTED TO ONE ANOTHER BY MEANS OF 2 LARGE ARCHED STRUCTURES WHICH WERE PREVIOUSLY OBSERVED TO HAVE BEEN STOWED AT THE CORNER OF THE CONSTRUCTION HALL QUAY ON MISSION [REDACTED].

25X1

25X1

VESSELS AT THE WESTERNMOST BASIN AREA ON THE SOUTH SIDE OF THE ESTUARY -- 8 UNIDENTIFIED POSSIBLE SC ON THE QUAY IN THE SAME POSITION AS SIGHTED ON MISSION [REDACTED]. 1 PROBABLE DDG BERTHED IN THE SAME POSITION; ALTHOUGH TURNED AROUND, AS THE KYNDA-CLASS DDGS OBSERVED ON MISSION [REDACTED]. 1 POSSIBLE DE, AND SEVERAL SMALL SERVICE CRAFT.

25X1

VESSELS AT THE EASTERN QUAY OF THE SHIPYARD (OPPOSITE SIDE OF ESTUARY FROM NEW WET DOCK FACILITY AT YAGRY ISLAND) -- 1 PROBABLE J-CLASS SSG AND 1 UNIDENTIFIED SS BERTHED IN THE IDENTICAL POSITIONS AS 2 J-CLASS SSG OBSERVED ON MISSION [REDACTED] AND 4 UNIDENTIFIED SURFACE VESSELS.

25X1

VESSELS AT NEW WET DOCK FACILITY UNDER CONSTRUCTION, YAGRY ISLAND -- 1 PROBABLE G-CLASS SSB NEAR SAME

23

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1

POSITION AS G-CLASS SSB SIGHTED ON MISSION [] AND 1
POSSIBLE DE MEDITERRANEAN-MOORED TO QUAY.

AT NAVAL BASE, YAGRY ISLAND -- 1 POSSIBLE MEDIUM
UNIDENTIFIED SS, 2 DE, 1 APL, 1 PROBABLE SC, AND 2
TARGET BARGES OFF SHORE.

AT PROBABLE SUBMARINE SUPPORT FACILITY, WESTERN TIP OF
YAGRY ISLAND -- 1 LARGE UNIDENTIFIED SS BERTHED IN
IDENTICAL POSITION AS E-CLASS SSGN ON MISSION [] 1
UNIDENTIFIED SURFACE AUXILIARY BERTHED IN SAME POSITION
AS NOVEMBER-CLASS SSN PREVIOUSLY OBSERVED ON MISSION
[] 1 BARGE, AND 2 POSSIBLE SERVICE CRAFT.

25X1

(SEE ATTACHMENT)

25X1

MOSCOW SUSPECT ABM AREA

UR 5545N 03737E []

APPROXIMATELY 35 PERCENT OF 75-NM-RADIUS SEARCH AREA
OBSERVED ON SCATTERED-TO-HEAVY CLOUD-COVERED
PHOTOGRAPHY. NO NEW SARY-SHAGAN OR LENINGRAD-TYPE
INSTALLATIONS, ELECTRONIC FACILITIES, []

AT SA-1 SAM SITE E05-1, THE ENVIRONMENTAL SHELTER ON
THE ROOF OF THE EASTERN SMALL TRIAD BUILDING HAS BEEN
COMPLETED SINCE MISSION [] A RING FRAME
IS OBSERVED FOR THE FIRST TIME ADJACENT TO THE SOUTH
WALL OF THE OTHER SMALL TRIAD BUILDING. NO SIGNIFICANT
CHANGES NOTED SINCE MISSION [] AT THE SECOND TRIAD
FACILITY WHERE CONSTRUCTION IS CONTINUING AT ALL 3
BUILDINGS SITES. AT SA-1 SAM SITE E24-1, THE
ENVIRONMENTAL SHELTER ON THE EASTERN SMALL TRIAD HAS
BEEN COMPLETED SINCE MISSION [] NO OTHER
CHANGES OBSERVED THROUGH THE SCATTERED CLOUDS THAT
COVER THE SITE. AT SA-1 SAM SITE E33-1, THE
SPHEROIDAL-SHAPED ENVIRONMENTAL SHELTER ON THE ORIGINAL
LARGE TRIAD BUILDING HAS NOT YET BEEN COMPLETED.
CONSTRUCTION CONTINUES ON THE SECOND TRIAD FACILITY
WITH ROOFS PARTIALLY COMPLETED ON ALL 3 BUILDINGS. NO
SIGNIFICANT CHANGES DISCERNIBLE THROUGH THE CLOUDS AT
THE PROBABLE TRIAD UNDER CONSTRUCTION NORTH OF SA-1 SAM
SITE E31-1.

NO APPARENT CHANGE OBSERVED THROUGH THE CLOUDS SINCE
MISSION [] AT THE FOLLOWING SA-1 SAM SITES --C02-1,

25X1

24

TOP SECRET

25X1

25X1

25X1

25X9

25X9

25X1

25X1

25X1

25X1

25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1

C04-1, C05-1, C07-1, C08-1, C09-1, C10-1, C12-1, C14-1,
 C16-1, C17-1, C19-1, C20-1, C22-1, C24-1, C27-1, C28-1,
 C30-1, C33-1, C35-1, C36-1, E01-1, E02-1, E03-1, E04-1,
 E06-1, E07-1, E08-1, E10-1, E18-1, E19-1, E20-1, E21-1,
 E22-1, E23-1, E25-1, E27-1, E28-1, E30-1, E32-1, E34-1,
 E35-1, AND E36-1. THE REMAINDER OF THE SA-1 SAM SITES
 ARE CLOUD COVERED.

25X1

(SEE ATTACHMENT)

BRATSK SUSPECT ABM AREA

UR 5654N 10030E

25X1

SEARCH AREA IS COMPLETELY COVERED ON PASS NO ABM
 ASSOCIATED FACILITIES OBSERVED IN CLOUD-FREE AREAS.

25X1

25X1

25

TOP SECRET

25X1

25X1

**Air
Facilities**

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

AIR FACILITIES

25X1

POLTAVA AIRFIELD

UR 4937N 03429E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

AIRCRAFT -- 40 PROBABLE BADGER, 2 POSSIBLE BADGER, 1
POSSIBLE BULL, AND 1 POSSIBLE BEAGLE.

25X1

ARKHANGELSK/KHOLM AIRFIELD

UR 6423N 04043E

NO NEW CONSTRUCTION OR CHANGES IN FACILITIES OBSERVED.

AIRCRAFT -- 23 BADGER, 4 BEAGLE, 1 COOT, AND 3 CAB AT
AIRFIELD AND 1 BEAGLE, 6 MEDIUM STRAIGHT-WING, AND 4
LIGHT STRAIGHT-WING AT SEAPLANE BASE.

25X1

NIKOLAYEV/KULBAKINO AIRFIELD

UR 4656N 03205E

NO NEW CONSTRUCTION ACTIVITY OBSERVED.

AIRCRAFT -- 45 PROBABLE BADGER AND 3 POSSIBLE
UNIDENTIFIED AIRCRAFT.

25X1

SARY-SHAGAN AIRFIELD

UR 4601N 07330E

AT SARY-SHAGAN BASE SUPPORT AREA.
10,000 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. NO
NEW CONSTRUCTION OBSERVED.AIRCRAFT -- 15 BADGER, 4 MEDIUM STRAIGHT-WING, 9 LIGHT
STRAIGHT-WING, 17 SMALL STRAIGHT-WING, AND AT LEAST 52
SMALL SWEPT-WING ON PARKING APRON AND GRASS NORTH OF
RUNWAY AND 2 BADGER IN MAINTENANCE AREA.

25X1

26

TOP SECRET

25X1

25X1

25X1

25X1

25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

KAZAN AIRFRAME PLANT GORBUNOV 22

UR 5552N 04907E

A NEW PROBABLE 4-STORY ADMINISTRATION/ENGINEERING BUILDING IS UNDER CONSTRUCTION ADJACENT TO THE NE TAXIWAY.

AIRCRAFT -- 11 PROBABLE BLINDER, 12 PROBABLE BADGER, 5 CAB, AND 3 SMALL STRAIGHT-WING.

25X1

HAI-KOU AIRFIELD

CH 2001N 11021E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION
NO RADAR OBSERVED.

25X1

AIRCRAFT -- AT LEAST 25 SMALL PROBABLE FIGHTERS.

25X1

LING-SHUI AIRFIELD

CH 1830N 10959E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1

AIRCRAFT -- AT LEAST 16 SMALL POSSIBLE SWEEP-WING.

25X1

LIU-CHOU AIRFIELD

CH 2417N 10923E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

AIRCRAFT -- NONE OBSERVED.

25X1

MENG-TZU AIRFIELD WEST

CH 2324N 10319E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

AIRCRAFT -- AT LEAST 25 UNIDENTIFIED SMALL AIRCRAFT.

27

TOP SECRET

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1

25X1

LEI-PEI AIRFIELD

CH 2124N 11012E

25X1

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1

SMALL SCALE AND POOR QUALITY PRECLUDE DETERMINATION OF
OCCUPANCY AND/OR OPERATIONAL STATUS OF LEI-PEI POSSIBLE
SAM SITE. NO APPARENT CHANGE SINCE MISSION

25X1

25X1

AIRCRAFT -- NONE OBSERVED.

25X1

WU-KUNG AIRFIELD

CH 3417N 10815E

AIRCRAFT -- 1 BADGER, 13 BULL, 1 PROBABLE BEAGLE, AND 1
SMALL STRAIGHT-WING.

25X1

HSI-AN AIRCRAFT ENGINE PLANT WU-KUNG

CH 3417N 10815E

25X1

NO APPARENT CHANGES OR NEW CONSTRUCTION SINCE MISSION

25X1

AIRCRAFT ARE REPORTED UNDER COMOR NO

25X1

LHASA AIRFIELD

TI 3030N 09107E

55 NM NORTH OF LHASA ON NORTH SIDE OF THE TA-MU HO
(RIVER)

TWO RUNWAYS IN A V-PLAN -- 10,250 BY 200 FT NE/SW
GRADED EARTH, SERVICEABLE WITH A 1,645-FT OVERRUN, AND
A 11,585 BY 135 FT ENE/WSW ASPHALT WITH 6,575-FT GRADED
EARTH OVERRUN, SERVICEABLE.

FACILITIES INCLUDE A GRADED EARTH TAXIWAY FROM THE NE
END OF THE NE/SW RUNWAY TO A PARKING APRON AND A NEW
ASPHALT TAXIWAY EXTENDING FROM THE ENE END OF THE
ENE/WSW RUNWAY TO THE NE/SW RUNWAY. A SUPPORT AREA
IMMEDIATELY SOUTH CONTAINS AT LEAST 15 BUILDINGS

28

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1

(INCLUDING AN OPERATIONS BUILDING WITH CONTROL TOWER AND A SMALL COMMUNICATIONS FACILITY (RHOMBIC ANTENNA-TYPE). A SECURED BARRACKS AND SUPPORT/STORAGE AREA CONTAINING AT LEAST 65 BUILDINGS IS LOCATED SE OF THE SUPPORT AREA. ACROSS THE TA-MU HO IS AN ADDITIONAL SUPPORT/STORAGE AREA CONTAINING AT LEAST 40 BUILDINGS.

AIRCRAFT -- NONE OBSERVED.

(SEE ATTACHMENT)

25X1

25X1

NAN-NING AIRFIELD SOUTH

CH 2236N 10810E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

AIRCRAFT -- AT LEAST 25 SMALL PROBABLE SWEPT-WING AND 1 LIGHT STRAIGHT-WING.

25X1

CHIA-LAI-SHIH AIRFIELD UNDER CONSTRUCTION CH 1942N 10944E

2.5 NM SE OF CHIA-LIA-SHIH.
6,655 X 100 FT NW/SE CONCRETE RUNWAY, SERVICEABLE.

FACILITIES INCLUDE A PARALLEL TAXIWAY WITH 2 END-CONNECTING LINKS, 2 CROSSOVER LINKS, 2 ALERT APRONS, 2 PARKING APRONS, 12 REVETTED HARDSTANDS, AND ADDITIONAL HARDSTANDS UNDER CONSTRUCTION. TWO SUPPORT AREAS CONTAIN AT LEAST 49 BUILDINGS. AIRFIELD CONSTRUCTION APPEARS TO BE NEARING COMPLETION. NO RADAR OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT -- NONE OBSERVED.

25X1

29

TOP SECRET

25X1

25X1

25X2

Page Denied

Next 4 Page(s) In Document Denied

**Electronics/
Communications**

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1
25X1ELECTRONICS/COMMUNICATIONS

SHUANG-CHENG-TZU MTR POSS DN RGE INSTR PT CH 4159N 09608E

NO INSTRUMENTATION SITE, EQUIPMENT, OR
MISSILE-ASSOCIATED ACTIVITY OBSERVED IN THE SEARCH AREA
WHICH IS APPROXIMATELY 65 PERCENT-OBSCURED BY SCATTERED
CLOUDS AND CLOUD SHADOW.

25X1

DZARDZHAN TALL KING FACILITY

UR 6844N 12401E BONUS 1

1 NM NORTH OF DZARDZHAN.

SINGLY SECURED FACILITY CONTAINS 1 TALL KING ANTENNA, 1
ANTENNA BUILDING, 1 SUPPORT BUILDING, 1 GENERATOR
BUILDING, AND APPROXIMATELY 5 HORIZONTAL FUEL STORAGE
TANKS.

A SUPPORT AREA WITH APPROXIMATELY 6 BUILDINGS IS
LOCATED 1 NM SSE OF THE TALL KING.

25X1

34

TOP SECRET

25X1
25X1

**Other
Activity**

Page Denied

Index

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1

INDEX OF COMOR TARGETS

COMOR

INSTALLATION NAME

CTY COORDINATES OAK

PLESETSK ICBM COMPLEX	UR 6254N 04038E 2
YURYA ICBM COMPLEX	UR 5904N 04918E 2
VERKHNYAYA SALDA ICBM COMPLEX	UR 5802N 06024E 2
TYURATAM MISSILE TEST CENTER	UR 4538N 06317E 2
YOSHKAR-OLA ICBM COMPLEX	UR 5633N 04801E 2
DROVYANAYA ICBM COMPLEX	UR 5131N 11300E 2
PERM ICBM COMPLEX	UR 5742N 05619E 2
GLADKAYA ICBM COMPLEX	UR 5606N 09214E 2
UZHUR ICBM COMPLEX	UR 5517N 08949E 2
DOMBAROVSKIY ICBM COMPLEX	UR 5100N 05954E 2
KARTALY ICBM COMPLEX	UR 5302N 06035E 2
IMENI GASTELLO ICBM COMPLEX	UR 5107N 06618E 2
KARA-BABAU IRBM LAUNCH SITE 2	UR 4431N 07758E 1
AKHTYRKA MRBM LAUNCH SITE 1	UR 5015N 03450E 2
ZHURAVKA IRBM LAUNCH SITE	UR 5436N 07640E 2
TRAKTOVYY IRBM LAUNCH SITE	UR 5325N 06223E 2
KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR 4835N 04545E 2
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR 4602N 07334E 2
MAKAT FIELD LAUNCH POINT (MRBM)	UR 4758N 05342E 2
SHUANG-CHENG-TZU MISSILE TEST CENTER	CH 4107N 10020E 2
ZAGORSK ROCKET ENGINE TEST FACILITY	UR 5625N 03810E 1
VORONEZH ROCKET ENGINE TEST FACILITY	UR 5134N 03908E 1
KAZAN AIRCRAFT ENGINE PLANT 16	UR 5551N 04907E 1
PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN	CH 3950N 11608E 1
STERLITAMAK ROCKET MOTOR TEST FACILITY	UR 5341N 05558E 1
UFA STATIC TEST FACILITY	UR 5459N 05604E 1
KAMENSK-SHAKHTINSKIY RKT MOTOR TEST FAC	UR 4819N 04016E 1
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BALABANOVO SUSPECT MISSILE ACTIVITY	UR 5511N 03640E 2
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KOMSOMOLSK SHIPYARD AMUR 199	UR 5033N 13702E 1
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BRATSK SUSPECT ABM AREA	UR 5654N 10030E 2
ANGARSK DUAL HEN HOUSE-TYPE ACTIVITY	UR 5253N 10315E 1
CHEREPOVETS AMM/SAM LAUNCH COMPLEX	UR 5906N 03810E 1
DOLON AIRFIELD	UR 5032N 07912E 1
BARANOVICHI AIRFIELD	UR 5306N 02603E 1
MOZDOK AIRFIELD	UR 4347N 04436E 1
POLTAVA AIRFIELD	UR 4937N 03429E 2

25X1

36

TOP SECRET

25X1
25X1

TOP SECRET

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25X1
25X1

TIKSI AIRFIELD	UR 7141N 12853E 1
ALEKSEYEVKA AIRFIELD	UR 4915N 14014E 1
USSURIYSK/VOZDVIZHENKA AIRFIELD	UR 4355N 13156E 1
KALININ AIRFIELD	UR 5649N 03545E 1
ARKHANGELSK/KHOLM AIRFIELD	UR 6423N 04043E 2
ARTEM AIRFIELD NORTH	UR 4323N 13209E 1
NIKOLAYEV/KULBAKINO AIRFIELD	UR 4656N 03205E 2
SARY-SHAGAN AIRFIELD	UR 4601N 07330E 2
KIPELOVO AIRFIELD	UR 5911N 03907E 1
KAZAN AIRFRAME PLANT GORBUNOV 22	UR 5552N 04907E 2
RAMENSKOYE FLIGHT TEST CENTER	UR 5533N 03808E 1
HAI-KOU AIRFIELD	CH 2001N 11021E 2
LING-SHUI AIRFIELD	CH 1830N 10959E 2
LIU-CHOU AIRFIELD	CH 2417N 10923E 2
MENG-TZU AIRFIELD WEST	CH 2324N 10319E 2
LEI-PEI AIRFIELD	CH 2124N 11012E 2
WU-KUNG AIRFIELD	CH 3417N 10815E 2
HSI-AN AIRCRAFT ENGINE PLANT WU-KUNG	CH 3417N 10815E 2
LHASA AIRFIELD	TI 3030N 09107E 2
NAN-NING AIRFIELD SOUTH	CH 2236N 10810E 2
PING-YUAN-CHIEH AIRFIELD U/C	CH 2342N 10350E 1
CHIA-LAI-SHIH AIRFIELD UNDER CONSTRUCTION	CH 1942N 10944E 2

25X2

CHAN-CHIANG NAVAL BASE	CH 2112N 11025E 1
YU-LIN NAVAL BASE AND PORT	CH 1813N 10931E 1
HAI-KOU PORT AND NAVAL BASE	CH 2001N 11016E 1
BALAKLAVA SUBMARINE BASE	UR 4430N 03336E 1
NIKOLAYEV SHIPYARD NOSENKO 444	UR 4657N 03159E 1
NIKOLAYEV SHPYD NORTHERN 61 KOMMUNA 445	UR 4659N 03201E 1
SEVASTOPOL NVL B & SHPYD SEVMORZAVOD 497	UR 4436N 03332E 1
KRASNOARMEYSK AREA CANAL LOCKS	UR 4825N 04429E 1

25X2

ARKHANGELSK HF COMMUNICATIONS FACILITY	UR 6418N 04038E 1
NARO-FOMINSK SUSP AMM PHASED-ARRAY RADAR	UR 5529N 03641E 1
GALENKI ELECTRONIC FACILITY	UR 4403N 13145E 1
SHUANG-CHENG-TZU MTR POSS DN RGE INSTR PT	CH 4159N 09608E 2
MENG-TZU INF DIV HQS & ARMY BARRACKS WEST	CH 2322N 10323E 1
KUEI-LING ARMY BARRACKS	CH 2511N 11020E 1
KAI-YUAN ARMY BARRACKS NORTHEAST	CH 2343N 10315E 1

25X1

37

TOP SECRET

25X1
25X1

TOP SECRET

MISSION 1022-2

24-28 JULY 1965

25X1

KUN-MING COMPLEX
WEN-SHAN COMPLEX

CH 2504N 10241E 1
CH 2322N 10415E 1

25X2

TOP SECRET

38

25X1
25X1

25X1

25X1

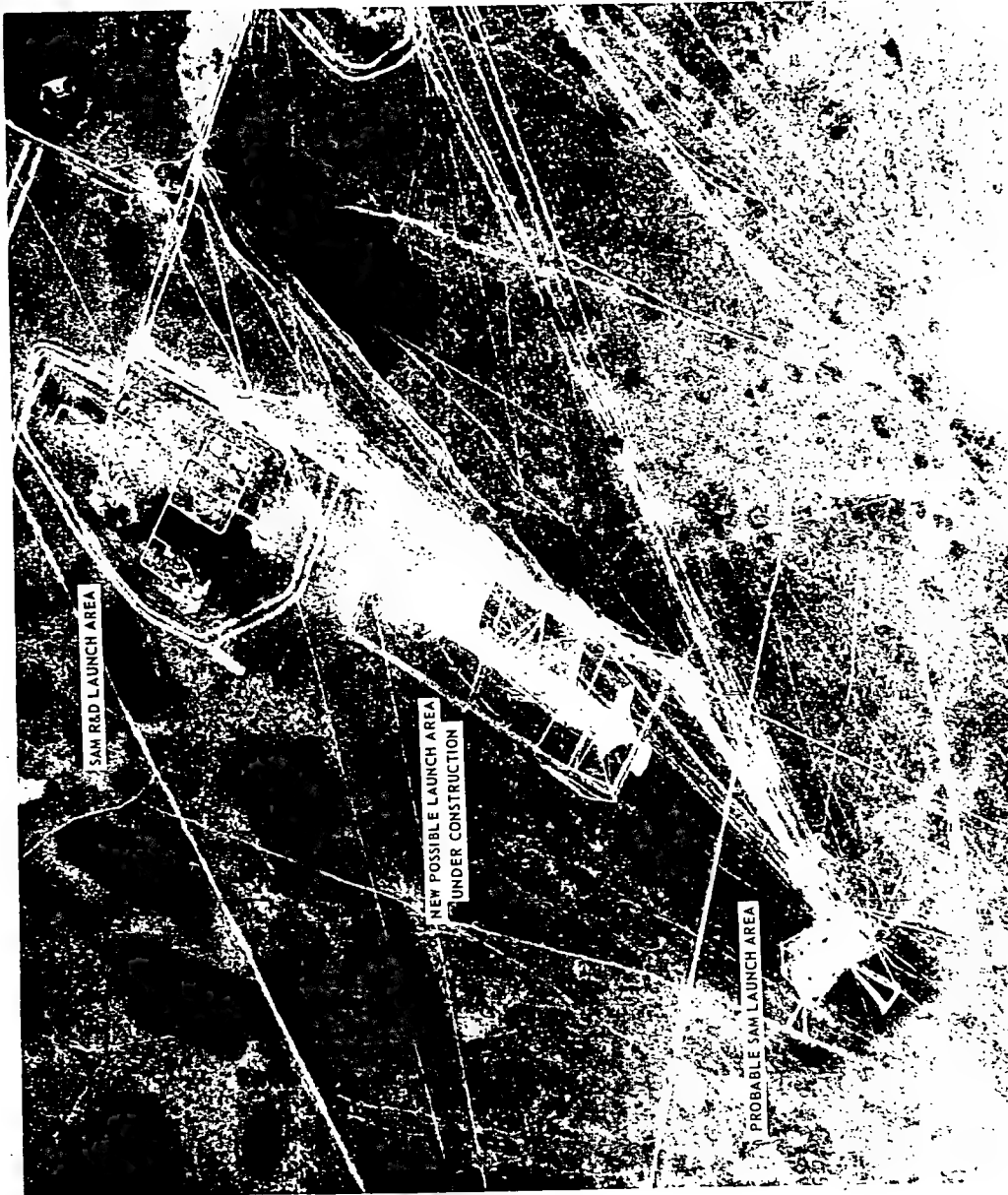
Attachments

TOP SECRET

MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 1

25X1



TOP SECRET

25X1
25X1

TOP SECRET

MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 2

25X1



INTERFEROMETER SITE UNDER CONSTRUCTION, KAPUSTIN YAR VLADIMIROVKA MISSILE TEST CENTER, USSR.

TOP SECRET

25X1

TOP SECRET

MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 3

25X1
ZSNI

TOP SECRET

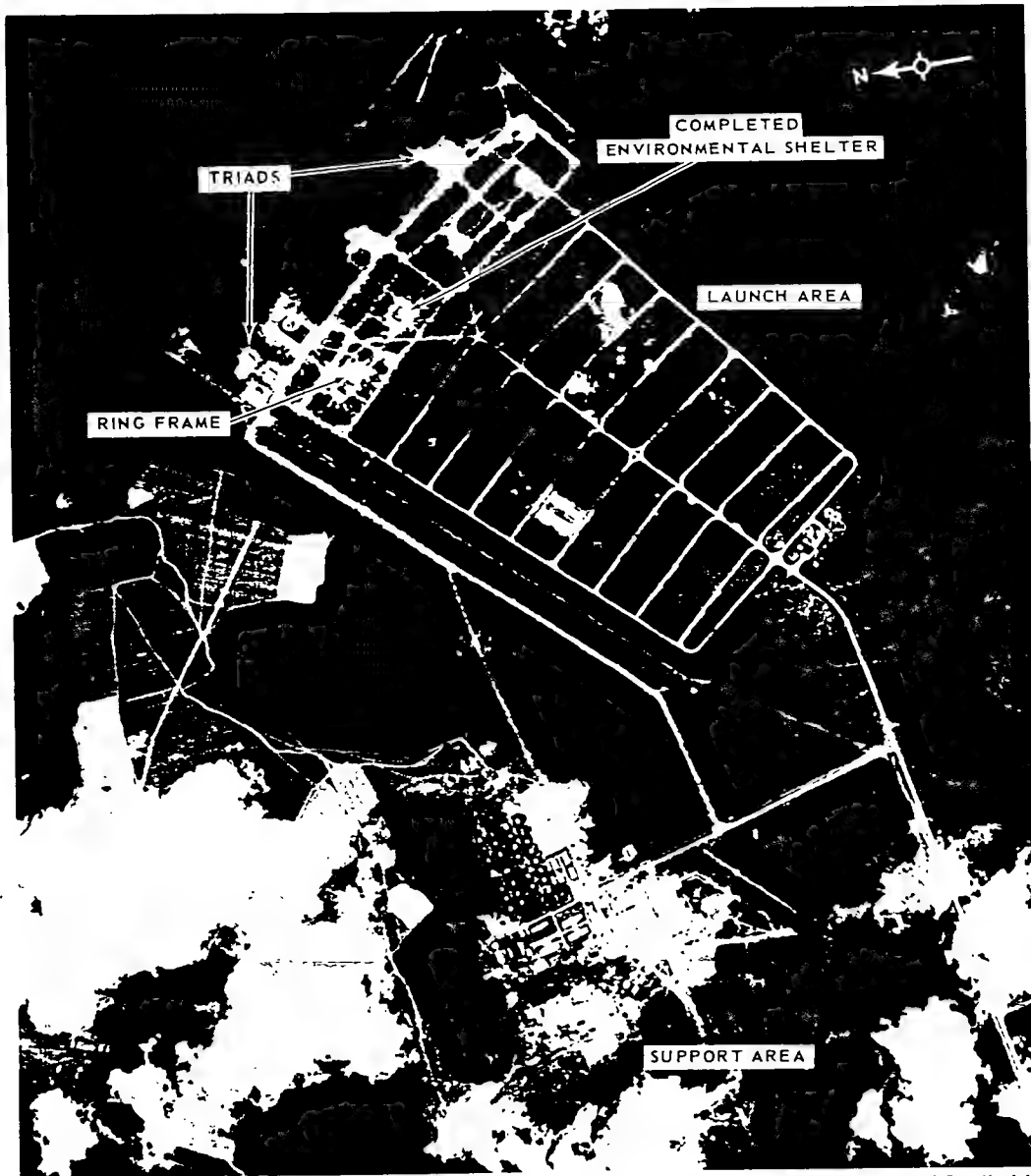
25X1

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MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 4

25X1
Z5A1



SA-1 SAM SITE E05-1, MOSCOW, USSR

TOP SECRET

25X1

TOP SECRET

MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 5

25X1



TOP SECRET

25X1

25X2

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